



PATENT APPLICATION

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the Application of

Donald J. CURRY et al.

Group Art Unit: 2625

Application No.: 10/612,084

Examiner: P. DHINGRA

Filed: July 1, 2003

Docket No.: 117300

For: HALFTONE SCREEN FREQUENCY AND MAGNITUDE ESTIMATION FOR DIGITAL DE-SCREENING OF DOCUMENTS

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

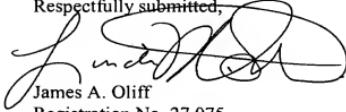
Sir:

Pursuant to 37 CFR §1.56, the attention of the Patent and Trademark Office is hereby directed to the references listed on the attached PTO-1449. Unless otherwise indicated herein, one copy of each reference is attached. It is respectfully requested that the information be expressly considered during the prosecution of this application, and that the references be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

- 1. This Information Disclosure Statement is being filed more than three months after the U.S. filing date AND after the mailing date of the first Office Action on the merits, but before the mailing date of a Final Rejection, Notice of Allowance or other action that closes prosecution (e.g., Quayle Action).
- a. I hereby certify that each item of information contained in this Information Disclosure Statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Information Disclosure Statement. 37 CFR §1.97(e)(1).
- 2. Each item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart application, and this communication was not received by any individual designated in §1.56(c) more than thirty days prior to the filing of this Information Disclosure Statement.
- 3. One or more reference cited herein was cited in a counterpart foreign application. An English language version of the foreign search report is attached for the Examiner's information. See References 1-4.

4. In accordance with 37 CFR §1.98(a)(2)(ii), copies of any U.S. patents and patent application publications are not attached.

Respectfully submitted,



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<b>DEPOSIT ACCOUNT USE AUTHORIZATION</b> Please grant any extension necessary for entry; Charge any fee due to our Deposit Account No. 15-0461
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Sheet 1 of 1Form PTO-1449  
(REV. 1/06)US Dept. of Commerce  
PATENT & TRADEMARK OFFICEATTY DOCKET NO.  
117300APPLICATION NO.  
10/612,084

## INFORMATION DISCLOSURE STATEMENT

(Use several sheets if necessary)

APPLICANT(S)  
Donald J. CURRY et al.FILING DATE  
July 1, 2003GROUP  
2625

## U.S. PATENT DOCUMENTS

Examiner Initials	Cite No.	Document Number	Date	Name
I		6,549,658 B1	4/15/2003	Schweid et al.
2		5,638,134	1/10/1997	Kameyama et al.

## FOREIGN PATENT DOCUMENTS

Examiner Initials	Cite No.	Document Number	Date	Country	With English Abstract	With English Translation

## OTHER DOCUMENTS

Examiner Initials	Cite No.	(Including Author, Title, Date, Pertinent Pages, etc.)
	3	Kite, T. D., et al. "A High Quality, Fast Inverse Halftoning Algorithm for Error Diffused Halftones." Image Processing, 1998. ICIP 98. Proceedings. 1998 International Conference on Chicago, IL, USA, vol. 2, 4 October 1998. Pages 59-63.
	4	Ibaraki, H., et al. "New Image Processing Method for Halftone Pictures." Electronics and Communications in Japan, Part I-Communications, Wiley, Hoboken, NJ, US, Vol. 71, no. 7, 1 July 1988. Pages 87-99.

## EXAMINER

## DATE CONSIDERED

Examiner: Initial if citation considered, whether or not citation is in conformance with M.P.E.P. 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.